SEQUENCE LISTING

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ctg Leu	gcc Ala 50	ttt Phe	gac Asp	acc Thr	tac Tyr	cag Gln 55	gag Ģlu	ttt Phe	aac Asn	ccc Pro	cag Gln 60	acc Thr	tcc Ser	ctc Leu	tgt Cys	192
ttc Phe 65	tca Ser	gag Glu	tct Ser	att Ile	ccg Pro 70	aca Thr	ccc Pro	tcc Ser	aac Asn	agg Arg 75	gag Glu	gaa Glu	aca Thr	caa Gln	cag Gln 80	240
aaa Lys	tcc Ser	aac Asn	cta Leu	gag Glu 85	ctg Leu	ctc Leu	cgc Arg	atc Ile	tcc Ser 90	ctg Leu	ctg Leu	ctc Leu	atc Ile	cag Gln 95	tcg Ser	288

tgg ctg Trp Lev	g gaq ı Glı	g ccc u Pro 100	gtg Val	cag Gln	ttc Phe	ctc Leu	agg Arg 105	agt Ser	gtc Val	ttc Phe	gcc Ala	aac Asn 110	agc Ser	ctg Leu	336
gtg tac	gg Gl:	y Ala	tct Ser	gac Asp	agc Ser	aac Asn 120	gtc Val	tat Tyr	gac Asp	ctc Leu	cta Leu 125	aag Lys	gac Asp	cta Leu	384
gag gad Glu Gla 13	u Gl	c ato y Ile	caa Gln	acg Thr	ctg Leu 135	atg Met	gjå aaa	agg Arg	ctg Leu	gaa Glu 140	gat Asp	ggc Gly	agc Ser	ccc Pro	432
cgg ac Arg Th 145	t gg r Gl	g cag y Gli	g atc n Ile	ttc Phe 150	aag Lys	cag Gln	acc Thr	tac Tyr	agc Ser 155	aag Lys	ttc Phe	gac Asp	aca Thr	aac Asn 160	480
tca ca Ser Hi	c aa s As	ic gat sn Asj	gac Asp 165	Ala	cta Leu	ctc Leu	aag Lys	aac Asn 170	tac Tyr	GJÀ aaa	ctg Leu	ctc Leu	tac Tyr 175	tgc Cys	528
ttc ag Phe Ar	g aa g Ly	ng ga /s As 18	o Met	gac Asp	aag Lys	gtc Val	gag Glu 185	aca Thr	ttc Phe	ctg Leu	cgc Arg	atc Ile 190	Val	cag Gln	576
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Glu Glu Gly Ile Gln Thr Leu Met Gly Arg Leu Glu Asp Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys Gln Thr Tyr Ser Lys Phe Asp Thr Asn 145 Ser His Asn Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Tyr Cys 165 Phe Arg Lys Asp Met Asp Lys Val Glu Thr Phe Leu Arg Ile Val Gln 185 1.80 Cys Arg Ser Val Glu Gly Ser Cys Gly Phe 200 195 <210> 3 <211> 582 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (1)..(579) <400> 3 atg ggg gtg cac gaa tgt cct gcc tgg ctg tgg ctt ctc ctg tcc ctg Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu Leu Leu Ser Leu ctg tcg ctc cct ctg ggc ctc cca gtc ctg ggc gcc cca cca cgc ctc 96 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Leu 20 atc tgt gac age ega gte etg gag agg tac etc ttg gag gec aag gag 144 Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu Ala Lys Glu 35 gcc gag aat atc acg acg ggc tgt gct gaa cac tgc agc ttg aat gag 192 Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu 55 aat atc act gtc cca gac acc aaa gtt aat ttc tat gcc tgg aag agg 240 Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg 75 atg gag gtc ggg cag cag gcc gta gaa gtc tgg cag ggc ctg gcc ctg 288 Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu ctg tcg gaa gct gtc ctg cgg ggc cag gcc ctg ttg gtc aac tct tcc Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser 105 cag ccg tgg gag ccc ctg cag ctg cat gtg gat aaa gcc gtc agt ggc Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly 120

115

Leu A	egc Arg 130	agc Ser	ctc Leu	acc Thr	act (ctg Leu 135	ctt Leu	cgg Arg	gct Ala	ctg Leu	gga Gly 140	gcc Ala	Caq Gli	ga n L	ag ys	gaa Glu		432	
gcc Ala 145	atc Ile	tcc Ser	cct Pro	cca Pro	gat Asp 150	gcg Ala	gcc Ala	tca Ser	gct Ala	gct Ala 155	cca Pro	cto Lev	cg: Ar	a a g T	ca hr	ato Ile 160	:	480	
act Thr	gct Ala	gac Asp	act Thr	ttc Phe 165	cgc Arg	aàa Lys	ctc Leu	ttc Phe	cga Arg 170	gtc Val	tac Tyr	tco Ser	aa As	n F	tc he 75	ct o	1	528	
cgg Arg	gga Gly	aag Lys	ctg Leu 180	aag Lys	ctg Leu	tac Tyr	aca Thr	999 Gly 185	Glu	gcc Ala	tgc Cys	Arg	g ac g Th 19	r	31y 939	gad	2 9	576	
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Ile	Cys	Asp 35		Arg	Val	Leu	Glu 40		g Ty	r Le	ı Le	u Gl	.u A !5	la	Lys	s G1	Lu		
Ala	Glu 50		ı Ile	e Thr	Thr	Gly 55		s Ala	a Gl	u Hi:	s Cy 6	s Se 0	er L	eu	Ası	ı Gl	Lu		
Asn 65		e Thi	r Va	l Pro	Asp 70		Lys	₃ Va	l As	n Ph	е Ту 5	r Al	la T	rp	Lys	s Ai	rg 80		
Met	: Gl	ي Va	1 G1	y Gli 85	n Glr 5	n Ala	a Vai	l Gl		l Tr	p Gl	n G	ly I	eu	Ala 9	a Lo 5	eu		
Lev	ı Se:	r Gl	u Al 10		l Lev	ı Arg	g Gl	y Gl 10		a Le	u Le	eu V	al A	sn 10	Se	r S	er		
Glr	n Pr	o Tr 11		u Pr	o Lei	ı Glı	n Le		.s Va	l As	р Гу	rs A 1	la V 25	7al	Se	r G	ly		
Le	u Ar 13		r Le	u Th	r Th	r Le		u Ar	g Al	a Le	eu G:	ly A 10	la (3ln	Lу	s G	lu		
Al.		e Se	r Pr	o Pr	o As		a Al	a Se	er Al	la Al	.a P:	ro L	eu i	Arg	Th	r I	le .60		

Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu 165 170 175

Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp 180 185 190

Arg